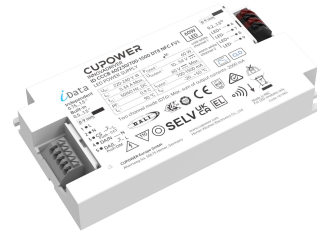


Product features



- Isolated adjustable power color temperature LED driver
- Supports DALI-2, push DIM control, push CCT control
- Usable as DT6 (2-channel) or DT8 (tunable white) driver
- Current adjustment via NFC
- Supports i-Data function (DALI part 251, 252, 253)
- Output current 700...1500 mA
- Max. output power 60 W
- DC emergency
- Flicker-free, dimming range 1%...100% (amplitude dimming)
- Current output default value 100%
- For luminaires with protection class I, II



Product specifications

161065 ID CCCB 60/230/700-1500 DT8 NFC FV1

Output current	Input voltage	Output voltage	Efficiency @full load	Current accuracy	Power factor	Dimension LxWxH (mm)
700...1500 mA	220...240 Vac 220...240 Vdc	10...54 Vdc	90% (@ 54 V 1100 mA)	± 5%	0.9 (Output Power > 26 W)	135 x 70 x 21

Electrical specifications

Mains voltage supply

Rated input voltage range	220...240 Vac
Max. input voltage range	198...264 Vac
Rated frequency range	0/50/60 Hz
Max. input current	0.34 A @ 230 Vac & 0.34 A @ 230 Vdc

Battery operation

DC voltage range	220...240 Vdc
Max. DC voltage range	176...276 Vdc

Protection against voltage peaks

Withstand voltage	I/p-O/p: 3 kVac, < 5 mA 60 sec, I/p-Da: 1.5 kVac, < 5 mA 60 sec, O/p-Da: 1.5 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV

Total harmonic distortion (THD)

At rated input voltage range @ full load	10%
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Output data

Output current tolerance	± 5% at rated input voltage range
No load output voltage	60 Vdc
Ripple output current	5% (ripple = peak/average total 100 Hz)
Output PstLM	≤ 1 at full load @ rated input voltage
Output SVM	≤ 0.4 at full load @ rated input voltage
DC emergency level	DALI current output decreased to 15% (programmable)

Protection functions output side

Overvoltage protection	The output voltage is less than or equal to 60 V
Overpower protection	The output power is less than or equal to 66 W
Short circuit protection	Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.

Dimming operation and interface

Standby power consumption	≤ 0.3 W
Dimming mode	DALI-2, push dimming, push CCT dimming
Dimming method	Amplitude dimming
Dimming current range	1%...100%

Connection terminals

Connection terminal type	45° push in terminal
Wire cross section	Input wire: 0.5...1.5 mm ² @ Built-in, 0.75...1.5 mm ² @ Independent Output wire: 0.2...1.5 mm ²
Wire stripping length	8...9 mm

Degree of protection

Protection rating	IP20
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Operating data

Output current range (DT8)	NFC control adjusts the current: 700...1500 mA
Output current range (DT6)	NFC control adjusts the current: 700...1500 mA per channel Max sum of output current: 2000 mA
Default current	700 mA
Output voltage range	10...54 Vdc

Circuit breaker / Inrush current

MCB loading quantity	Inrush current I _{peak} : 8.04 A			Inrush current T _{width} : 50 µs	
	MCB type	B10	C10	B16	C16
	Units	27	27	43	43

Supplementary instructions

- The luminaire manufacturer is responsible for measuring and verifying the EMI compliance of the complete luminaire, as the level of radio interference will vary depending on the luminaire construction. Especially primary and secondary cable lengths and their routing may have a significant effect on radio interference.
- For the push DIM function, please follow our instructions, which can be downloaded from www.cupower.com.
- The recommended NFC communication distance: 5...20 mm.

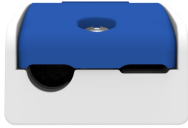
Environmental specifications

Operating temperature	-20...+50°C
Storage temperature	-25...+85°C
Working humidity	10%...90%
Store humidity	5%...95%
Lifetime	at Tc 80°C: 50,000 hrs @ 230 Vac
Maximum Tc temperature	90°C

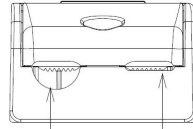
Safety & EMC compliance

ENEC+CE	CCC	SAA
EN 61347-1: 2015/A1:2021	/	AS/ 61347.2.13: 2018
EN 61347-2-13: 2014/A1: 2017	/	AS/NZS 61347.1: 2016+ A1 Lamp Control Gear- Part 2-13
EN 62384: 2020	/	/
EN 300 330 V2.11: 2017	/	/
EN 62479: 2010	/	/
EN 50663: 2017	/	/
EN 301 489-1 V2.2.3:2019	/	/
EN 301 489-3V2.3.2: 2023	/	/
EN 55015:2019/A11: 2020	/	/
EN 61547: 2009	/	/
EN 61000-3-2:2019/A1: 2021	/	/
EN 61000-3-3:2013/A2: 2021	/	/

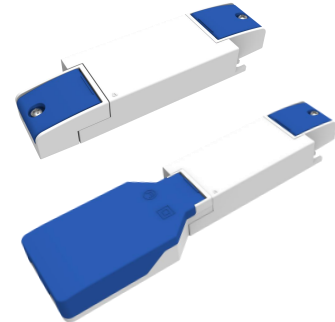
Accessories (optional)



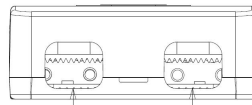
Art. 161195 XZ-ID-C



Ø2-Ø8 mm



Art. 161201 XZ-ID-LOOP-C



Ø2-Ø9 mm

Dimensions	Length (mm)	Width (mm)	Height (mm)
XZ-ID-C	39	33	21
XZ-ID-LOOP-C	105	56.5	21
Driver incl. 2 x XZ-ID-C	177	70	21
Driver incl. XZ-ID-C + XZ-ID-LOOP-C	242.8	70	21

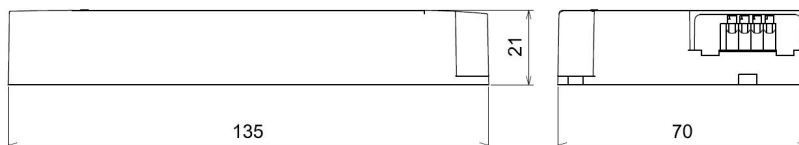
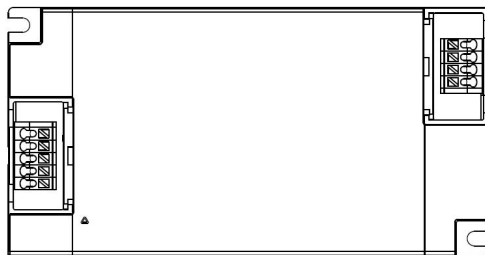
Dimensions

Housing dimensions

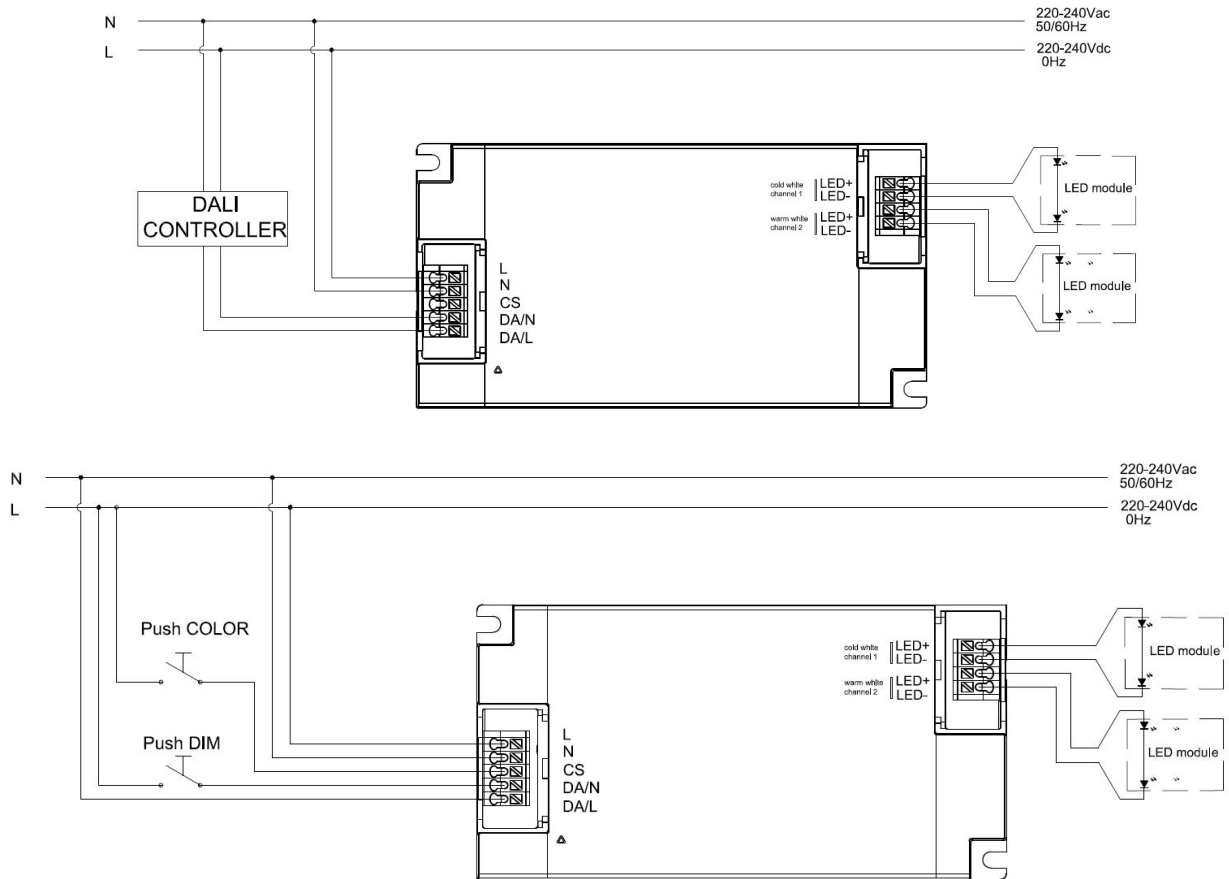
Length (L)	135 mm
Width (W)	70 mm
Height (H)	21 mm
Weight	0.242 kg

Packaging details

Packing units	24 pcs
Carton size	280 x 220 x 114 mm
Weight	6.4 kg

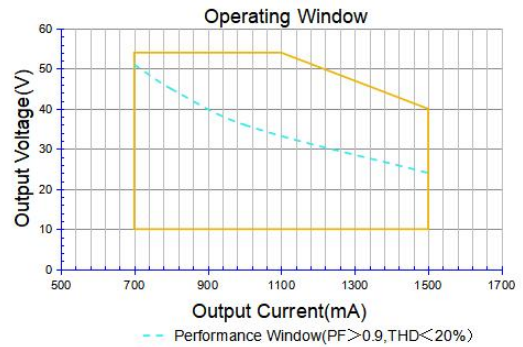
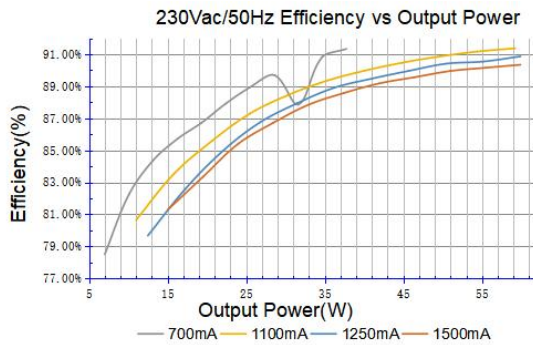
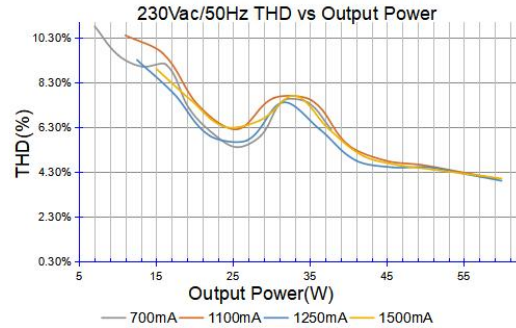
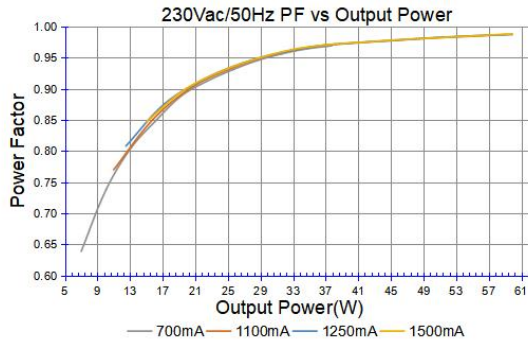


Wiring diagram



- All connections must be as short as possible to ensure good EMI performance.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5...10 cm is preferred).
- No secondary switches are allowed.
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuits.

Technical information



It's important to set the output current (AOC value) according to the LED voltage and make sure the power is within 60 W + 5%.

Example of AOC settings

V LED (Vdc)	AOC max	Pout (W)
54	700 mA	37.8
54	1100 mA	59.4
48	1250 mA	60
40	1500 mA	60